

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------|---------|------------------|
| L2 | 59 | fischer-michael-a.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/17 08:43 |
| S1 | 58 | sprinkler and (k near factor) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 15:03 |
| S2 | 35 | (sprinkler and (k near factor)) and "25" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/02/04 14:36 |
| S3 | 3374 | sprinkler and horizon\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/02/04 14:51 |
| S4 | 71 | horizon\$5 near sprinkler | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/02/04 14:51 |
| S5 | 0 | "6374919".URPN. | USPAT | OR | OFF | 2004/02/04 14:55 |
| S6 | 3 | "5810263".URPN. | USPAT | OR | OFF | 2004/02/04 14:57 |
| S7 | 0 | "6374920".URPN. | USPAT | OR | OFF | 2004/02/04 14:58 |
| S8 | 10 | ("2046169" "2101694" "2199142" "3880239" "4296815" "4585069" "4987957" "5669449" "5727737" "5810263").PN. | USPAT | OR | OFF | 2004/02/04 14:58 |
| S9 | 6 | "5669449".URPN. | USPAT | OR | OFF | 2004/02/04 14:59 |
| S10 | 12 | ("0416838" "0963354" "1614002" "1891183" "2961040" "3195647" "3837405" "3904126" "4175703" "4585069" "4953623" "4964574").PN. | USPAT | OR | OFF | 2004/02/04 15:04 |
| S11 | 10 | ("2046169" "2101694" "2199142" "3880239" "4296815" "4585069" "4987957" "5669449" "5727737" "5810263").PN. | USPAT | OR | OFF | 2004/02/04 15:04 |

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| S12 | 12 | ("Re24353" "0783826" "2046169" "2101694" "2862565" "3880239" "4074862" "4296815" "4296816" "4580729" "4987957" "5180103").PN. | USPAT | OR | OFF | 2004/02/04 15:06 |
| S13 | 5 | "2101694".URPN. | USPAT | OR | OFF | 2004/02/04 15:10 |
| S14 | 8 | "5722599".URPN. | USPAT | OR | OFF | 2004/02/04 15:11 |
| S15 | 11 | ("1507350" "2046169" "2101694" "2199142" "3880239" "4296815" "4296816" "4585069" "4624414" "4625915" "4987957").PN. | USPAT | OR | OFF | 2004/02/04 15:11 |
| S16 | 0 | automatic-sprinkler-corporation. as. | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/02/04 16:03 |
| S17 | 597041 | automatic-sprinkler-corporation of america.as. | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/02/04 16:03 |
| S18 | 12 | automatic-sprinkler-corporation-of- america.as. | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/02/04 16:13 |
| S19 | 53 | fischer-michael-a.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/17 08:43 |
| S20 | 38 | ("0720013" "1165313" "2862565" "3525402" "3653444" "3682251" "3722596" "3768736" "3812915" "3888313" "3904126" "4091873" "4099675" "4136740" "4279309" "4296815" "4296816" "4405018" "4580729" "4657085" "4800961" "4901799" "4930578" "5036923" "5094298" "5152344" "5366022" "5579846" "5584344" "5609211" "5664630" "5687914" "5829532" "5839667" "5862994" "5865256" "5890657" "5915479").PN. | USPAT | OR | OFF | 2004/02/04 17:08 |

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| S21 | 164 | (239/208).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:53 |
| S22 | 152 | (239/209).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:53 |
| S23 | 242 | (239/504).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:53 |
| S24 | 379 | (239/524).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/17 06:55 |
| S25 | 414 | (239/525).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/17 06:22 |
| S26 | 36 | (239/501).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:53 |
| S27 | 77 | (239/502).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:54 |
| S28 | 149 | (239/506).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:54 |
| S29 | 220 | (239/518).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 16:27 |

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| S30 | 117 | (239/522).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 16:51 |
| S31 | 258 | (239/498).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 17:02 |
| S32 | 711 | (169/37).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/03 13:44 |
| S33 | 193 | (169/38).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:55 |
| S34 | 345 | (169/39).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 16:01 |
| S35 | 180 | (169/40).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:56 |
| S36 | 245 | (169/41).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:56 |
| S37 | 512 | (169/16).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 15:47 |
| S38 | 448 | (169/46).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 16:15 |

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| S39 | 4059 | S21 S22 S23 S24 S25 S26 S27 S28 S29 S30 S31 S32 S33 S34 S35 S36 S37 S38 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/30 10:57 |
| S40 | 52 | S39 and (k near factor) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:58 |
| S41 | 107 | sprinkl\$3 and (k near factor) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:58 |
| S42 | 50 | ("0720013" "1165313" "2862565" "3525402" "3653444" "3682251" "3722596" "3768736" "3812915" "3888313" "3904126" "4091873" "4099675" "4136740" "4279309" "4296815" "4296816" "4405018" "4580729" "4657085" "4800961" "4901799" "4930578" "5036923" "5094298" "5152344" "5366022" "5579846" "5584344" "5609211" "5664630" "5687914" "5829532" "5839667" "5862994" "5865256" "5890657" "5915479").PN. OR ("6059044").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/30 11:06 |
| S43 | 35 | ("0269930" "0433477" "0514162" "0575121" "2697008" "2724614" "3653444" "3722596" "3812915" "3818994" "4113021" "4121665" "4136740" "4296815" "4296816" "4580729" "4893679" "5094298" "5366022" "5579846" "5584344" "5609211" "5664630" "5829532" "5839667" "5862994" "5915479" "6059044" "D348719").PN. OR ("6976543"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/30 11:07 |

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| S44 | 91 | ("0306201" "0306202" "0400688" "0822548" "1549194" "1885219" "2279374" "2493982" "2550456" "2697008" "2724614" "3015449" "3195647" "3525402" "3682251" "3702159" "3722596" "3768736" "3770063" "3802512" "3857446" "3874455" "3888313" "3904126" "4066129" "4091872" "4091873" "4099675" "4113021" "4128128" "4136740" "4217960" "4279309" "4296815" "4405018" "4440234" "4569289" "4580729" "4616710" "4619327" "4624414" "4630682" "4657085" "4699217" "4739835" "4785888" "4791993" "4800961" "4880063" "4901799" "4923013" "4926946" "4930578" "4964574" "4987957" "5010959" "5020601" "5036923" "5080176" "5094298" "5097906" "5366022" "5579846" "5584344" "5609211" "5664630" "5727737" "5829532" "5829684" "5839667" "5865256" "6026907" "6059044" "6276460" "D251128" "D348719").PN. OR ("6854668").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/30 11:09 |
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| S45 | 77 | ("2357227" "2389334" "2502754" "3525402" "3682251" "3714989" "3722596" "3768736" "3811511" "3834463" "3888313" "3904126" "3998273" "4091873" "4099675" "4109727" "4113021" "4136740" "4167974" "4273195" "4279309" "4298068" "4343364" "4359097" "4405018" "4553603" "4577544" "4580729" "4609047" "4619327" "4657085" "4739835" "4757865" "4800961" "4893679" "4896728" "4901799" "4930578" "4938294" "4957169" "4976320" "4981179" "5020601" "5036923" "5083616" "5094298" "5109929" "5366022" "5511621" "5579846" "5584344" "5609211" "5622225" "5647438" "5664630" "5669449" "5722599" "5810090" "5810263" "5829532" "5829684" "5839667" "5853215" "5862994" "5865256" "5890657" "5915479" "5967238" "6059044" "6082463" "6336509" "6502643").PN. OR ("6868917").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/30 11:12 |
| S46 | 32 | ("0720013" "0733646" "0776614" "1498139" "2076483" "2135138" "2211399" "2389333" "2534066" "3561537" "3682251" "4580729" "5203416" "5366022" "5392993").PN. OR ("5865256"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/30 11:21 |

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| S47 | 51 | ("0316581" "0400688" "0447004" "0450574" "0733646" "0776614" "1498139" "2076483" "2135138" "2310798" "2361144" "2493982" "2495208" "3561537" "3682251" "4580729" "4989675" "5014790" "5152344" "5366022" "5392993" "5505383" "5513708").PN. OR ("5839667"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/30 11:24 |
| S48 | 12 | ("2135138").URPN. | USPAT | OR | ON | 2006/01/30 11:25 |
| S49 | 448 | (169/46).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 12:49 |
| S50 | 711 | (169/37).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 15:17 |
| S51 | 243 | sprinkl\$3 and (k same factor) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/03 13:47 |
| S52 | 30 | sprinkl\$3 and (early adj suppress\$3 adj fast adj response) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/03 13:48 |
| S53 | 30 | sprinkl\$3 and (early adj suppress\$3 adj fast adj respons\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/03 13:48 |
| S54 | 24 | sprinkl\$3 and esfr | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/03 13:51 |
| S55 | 18 | S51 and S54 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/03 13:51 |

EAST Search History

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| S56 | 91 | sprinkler and (k near factor) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 15:04 |
| S57 | 732 | (169/37).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 15:19 |
| S58 | 531 | (169/16).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 15:47 |
| S59 | 345 | (169/39).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 16:01 |
| S60 | 467 | (169/46).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 16:15 |
| S61 | 226 | (239/518).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 16:27 |
| S62 | 118 | (239/522).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 16:51 |
| S63 | 260 | (239/498).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 17:02 |
| S64 | 439 | (239/525).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/17 06:22 |

EAST Search History

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| S65 | 381 | (239/524).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/17 06:59 |
| S66 | 194 | (169/57).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/17 07:04 |
| S67 | 68 | ((early with suppression with fast with response with pendent with fire with protection with sprinkler) and nfpa "13" and nfpa "231" and nfpa 231c and (single with multi with row rack with storage with "25" with minimum with height with feet with maximum with height with "30" with feet) and (k with factor with "25" with pressure "15" with pounds with inch with less with than with "40" with pounds with inch) and (sprinkler with body with orifice with outlet) and (deflector with first with surface with outlet with two with reentrant with slots with deflector with axis with slot with open with outer with peripheral)).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/17 07:18 |